

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Page: 46  
Report Date:11/17/2008

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
Male							
Southern Research Institute	059902407	02/03/03	729	50 (3)	21(661)	518.7	Androstenedione
Southern Research Institute	059100507	06/26/00	730	50 (3)	30(693)	520.6	Methylene blue trihydrate
Female							
Southern Research Institute	059902407	02/03/03	729	50 (5)	38(710)	356.5	Androstenedione
Southern Research Institute	059100507	06/26/00	733	50 (5)	35(699)	335.9	Methylene blue trihydrate

NOTE: The text on page 2 ("Report Description") describes how the studies listed here are displayed on the data pages that follow.

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Male						Female						
#All Organs: Benign Tumors												
Overall Incidence	Total	47/50 94/100	(94%) (94%)	47/50 Mean 94%	(94%) 94%	SD 0%	Total	44/50 91/100	(88%) (91%)	47/50 Mean 91%	(94%) 91%	SD 4.24%
.....												
#All Organs: Malignant Tumors												
Overall Incidence	Total	34/50 64/100	(68%) (64%)	30/50 Mean 64%	(60%) 64%	SD 5.66%	Total	10/50 29/100	(20%) (29%)	19/50 Mean 29%	(38%) 29%	SD 12.73%
.....												
#All Organs: Malignant and Benign Tumors												
Overall Incidence	Total	49/50 98/100	(98%) (98%)	49/50 Mean 98%	(98%) 98%	SD 0%	Total	46/50 96/100	(92%) (96%)	50/50 Mean 96%	(100%) 96%	SD 5.66%
.....												
#All Organs: Hemangioma												
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean 1%	(2%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#All Organs: Hemangiosarcoma												
Overall Incidence	Total	1/50 2/100	(2%) (2%)	1/50 Mean 2%	(2%) 2%	SD 0%	Total	0/50 1/100	(0%) (1%)	1/50 Mean 1%	(2%) 1%	SD 1.41%
.....												
#All Organs: Hemangiosarcoma or Hemangioma												
Overall Incidence	Total	1/50 3/100	(2%) (3%)	2/50 Mean 3%	(4%) 3%	SD 1.41%	Total	0/50 1/100	(0%) (1%)	1/50 Mean 1%	(2%) 1%	SD 1.41%
.....												

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

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Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female						
#All Organs: Histiocytic Sarcoma												
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%
#All Organs: Leukemia: Erythrocytic												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
#All Organs: Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated												
Overall Incidence	Total	26/50 49/100	(52%) (49%)	23/50 Mean	(46%) 49%	SD 4.24%	Total	5/50 17/100	(10%) (17%)	12/50 Mean	(24%) 17%	SD 9.9%
#All Organs: Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
#All Organs: Mesothelioma: Benign												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
#All Organs: Mesothelioma: Benign, Malignant, NOS												
Overall Incidence	Total	1/50 4/100	(2%) (4%)	3/50 Mean	(6%) 4%	SD 2.83%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

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Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female					
#All Organs: Mesothelioma: Malignant											
Overall Incidence	Total	1/50	(2%)	3/50	(6%)	SD 2.83%	Total	0/50	(0%)	0/50	(0%)
		4/100	(4%)	Mean 4%				0/100	(0%)	Mean 0%	SD 0%
.....											
#All Organs: Osteoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											
#All Organs: Osteosarcoma											
Overall Incidence	Total	1/50	(2%)	0/50	(0%)	SD 1.41%	Total	0/50	(0%)	1/50	(2%)
		1/100	(1%)	Mean 1%				1/100	(1%)	Mean 1%	SD 1.41%
.....											
#All Organs: Osteosarcoma or Osteoma											
Overall Incidence	Total	1/50	(2%)	0/50	(0%)	SD 1.41%	Total	0/50	(0%)	1/50	(2%)
		1/100	(1%)	Mean 1%				1/100	(1%)	Mean 1%	SD 1.41%
.....											
*Adrenal Cortex: Adenoma											
Overall Incidence	Total	3/50	(6%)	1/50	(2%)	SD 2.83%	Total	0/50	(0%)	1/50	(2%)
		4/100	(4%)	Mean 4%				1/100	(1%)	Mean 1%	SD 1.41%
.....											
*Adrenal Cortex: Carcinoma											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											

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#: Denominator is number of animals necropsied

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Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female								
*Adrenal Medulla: Ganglioneuroma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Adrenal Medulla: Hemangioma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Adrenal Medulla: Pheochromocytoma Benign														
Overall Incidence	Total	7/50 16/100	(14%) (16%)	9/50 Mean	(18%) 16%	SD	2.83%	Total	3/50 5/100	(6%) (5%)	2/50 Mean	(4%) 5%	SD	1.41%
.....														
*Adrenal Medulla: Pheochromocytoma Complex														
Overall Incidence	Total	1/50 2/100	(2%) (2%)	1/50 Mean	(2%) 2%	SD	0%	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD	1.41%
.....														
*Adrenal Medulla: Pheochromocytoma Malignant														
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS														
Overall Incidence	Total	8/50 19/100	(16%) (19%)	11/50 Mean	(22%) 19%	SD	4.24%	Total	4/50 6/100	(8%) (6%)	2/50 Mean	(4%) 6%	SD	2.83%
.....														

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Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female						
#Bone: Chondrosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Bone: Chondrosarcoma or Chondroma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Bone: Chordoma												
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Bone: Osteoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Bone: Osteosarcoma												
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%
.....												
#Bone: Osteosarcoma or Osteoma												
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%
.....												

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Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female					
*Brain: Astrocytoma Malignant											
Overall Incidence	Total	1/50	(2%)	0/50	(0%)	SD 1.41%	Total	0/50	(0%)	0/50	(0%)
		1/100	(1%)	Mean 1%				0/100	(0%)	Mean 0%	SD 0%
.....											
*Brain: Ependymoma Benign											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											
*Brain: Ependymoma Malignant											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											
*Brain: Glioma Malignant											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											
*Brain: Granular Cell Tumor Benign											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											
*Brain: Medulloblastoma Mal											
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD 0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean 0%				0/100	(0%)	Mean 0%	SD 0%
.....											

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Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female								
*Brain: Meningioma Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Brain: Meningioma: Benign, Malignant, NOS														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Brain: Oligodendroglioma Benign														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Brain: Oligodendroglioma Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Brain: Oligodendroglioma, Glioma, or Astrocytoma														
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Brain: Osteosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														

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Version: Nov2008  
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Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female								
*Brain: Schwannoma Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Clitoral/Preputial Gland: Adenoma														
Overall Incidence	Total	3/50 4/100	(6%) (4%)	1/50 Mean	(2%) 4%	SD	2.83%	Total	12/50 19/100	(24%) (19%)	7/50 Mean	(14%) 19%	SD	7.07%
.....														
*Clitoral/Preputial Gland: Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	1/50 2/100	(2%) (2%)	1/50 Mean	(2%) 2%	SD	0%
.....														
*Clitoral/Preputial Gland: Carcinoma or Adenoma														
Overall Incidence	Total	3/50 4/100	(6%) (4%)	1/50 Mean	(2%) 4%	SD	2.83%	Total	13/50 21/100	(26%) (21%)	8/50 Mean	(16%) 21%	SD	7.07%
.....														
*Clitoral/Preputial Gland: Fibrosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Clitoral/Preputial Gland: Sarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD	1.41%
.....														

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Species: RATS  
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Length of Study: CHRONIC

Toxicology Data Management System  
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Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female						
*Clitoral/Preputial Gland: Squamous Cell Papilloma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#Ear: Neural Crest Tumor												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#Esophagus: Fibrosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#Esophagus: Lipoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#Eye: Amelanotic Melanoma, Benign												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#Eye: Melanoma Benign												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												

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Toxicology Data Management System  
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Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female						
#Eye: Melanoma Malignant												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Eye: Schwannoma Malignant												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Harderian Gland: Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Harderian Gland: Carcinoma or Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Heart: Schwannoma Benign												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Heart: Schwannoma Malignant												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

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Male						Female								
#Intestine Large: Colon/Rectum: Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Intestine Large: Colon/Rectum: Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Intestine Large: Colon/Rectum: Carcinoma or Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Intestine Large: Colon/Rectum: Hemangioma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Intestine Small: Duodenum: Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Intestine Small: Duodenum: Leiomyoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														

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#: Denominator is number of animals necropsied

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Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female								
#Intestine Small: Jejunum: Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Intestine Small: Jejunum: Granular Cell Tumor Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Intestine Small: Jejunum: Leiomyoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Intestine Small: Jejunum: Leiomyosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Intestine Small: Site Unspecified: Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Intestine Small: Site Unspecified: Carcinoma or Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

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Report Date:11/17/2008

Male						Female						
#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Intestine Small: Site Unspecified: Leiomyoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Intestine Small: Site Unspecified: Leiomyosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Islets, Pancreatic: Adenoma												
Overall Incidence	Total	4/50 8/100	(8%) (8%)	4/50 Mean	(8%) 8%	SD 0%	Total	1/50 3/99	(2%) (3.03%)	2/49 Mean	(4%) 3.04%	SD 1.47%
.....												
*Islets, Pancreatic: Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	1/50 1/99	(2%) (1.01%)	0/49 Mean	(0%) 1%	SD 1.41%
.....												
*Islets, Pancreatic: Carcinoma or Adenoma												
Overall Incidence	Total	4/50 8/100	(8%) (8%)	4/50 Mean	(8%) 8%	SD 0%	Total	2/50 4/99	(4%) (4.04%)	2/49 Mean	(4%) 4.04%	SD 0.06%
.....												

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female						
*Kidney: Pelvis and Transitional Epithelium: Carcinoma												
Overall Incidence	Total	0/49	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)
		0/99	(0%)	Mean	0%				0/100	(0%)	Mean	0%
.....												
*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma												
Overall Incidence	Total	0/49	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)
		0/99	(0%)	Mean	0%				0/100	(0%)	Mean	0%
.....												
*Kidney: Pelvis and Transitional Epithelium: Papilloma												
Overall Incidence	Total	0/49	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)
		0/99	(0%)	Mean	0%				0/100	(0%)	Mean	0%
.....												
*Kidney: Renal Tubule: Adenoma												
Overall Incidence	Total	0/49	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)
		0/99	(0%)	Mean	0%				0/100	(0%)	Mean	0%
.....												
*Kidney: Renal Tubule: Carcinoma												
Overall Incidence	Total	0/49	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)
		0/99	(0%)	Mean	0%				0/100	(0%)	Mean	0%
.....												
*Kidney: Renal Tubule: Carcinoma or Adenoma												
Overall Incidence	Total	0/49	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)
		0/99	(0%)	Mean	0%				0/100	(0%)	Mean	0%
.....												

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female						
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>												
Overall Incidence	Total	0/49	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)
		0/99	(0%)	Mean	0%				0/100	(0%)	Mean	0%
.....												
<b>*Kidney: Renal Tubule: Lipoma</b>												
Overall Incidence	Total	0/49	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)
		0/99	(0%)	Mean	0%				0/100	(0%)	Mean	0%
.....												
<b>*Kidney: Renal Tubule: Liposarcoma</b>												
Overall Incidence	Total	0/49	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)
		0/99	(0%)	Mean	0%				0/100	(0%)	Mean	0%
.....												
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>												
Overall Incidence	Total	0/49	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)
		0/99	(0%)	Mean	0%				0/100	(0%)	Mean	0%
.....												
<b>*Kidney: Renal Tubule: Nephroblastoma</b>												
Overall Incidence	Total	0/49	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)
		0/99	(0%)	Mean	0%				0/100	(0%)	Mean	0%
.....												
<b>*Kidney: Renal Tubule: Sarcoma</b>												
Overall Incidence	Total	0/49	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)
		0/99	(0%)	Mean	0%				0/100	(0%)	Mean	0%
.....												

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied



Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female								
<b>*Liver: Cholangioma</b>														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
<hr/>														
<b>*Liver: Hemangiosarcoma</b>														
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
<hr/>														
<b>*Liver: Hepatocellular Adenoma</b>														
Overall Incidence	Total	2/50 3/100	(4%) (3%)	1/50 Mean	(2%) 3%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
<hr/>														
<b>*Liver: Hepatocellular Carcinoma</b>														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
<hr/>														
<b>*Liver: Hepatocellular Carcinoma or Hepatoblastoma</b>														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
<hr/>														
<b>*Liver: Hepatocellular Carcinoma or Hepatocellular Adenoma</b>														
Overall Incidence	Total	2/50 3/100	(4%) (3%)	1/50 Mean	(2%) 3%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
<hr/>														

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male												Female					
*Liver: Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma																	
		2/50	(4%)	1/50	(2%)			0/50	(0%)	0/50	(0%)						
Overall Incidence	Total	3/100	(3%)	Mean	3%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%			
.....																	
*Lung: Alveolar/Bronchiolar Adenoma																	
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)						
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%			
.....																	
*Lung: Alveolar/Bronchiolar Carcinoma																	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)						
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%			
.....																	
*Lung: Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma																	
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)						
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%			
.....																	
*Lung: Hemangiosarcoma																	
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)						
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%			
.....																	
*Lung: Sarcoma																	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)						
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%			
.....																	

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

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Report Date:11/17/2008

Male						Female								
*Lung: Squamous Cell Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Lymph Node: Hemangiosarcoma														
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Lymph Node, Mesenteric: Sarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Mammary Gland: Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	1/50 2/100	(2%) (2%)	1/50 Mean	(2%) 2%	SD	0%
.....														
#Mammary Gland: Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	2/50 3/100	(4%) (3%)	1/50 Mean	(2%) 3%	SD	1.41%
.....														
#Mammary Gland: Carcinoma or Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	3/50 5/100	(6%) (5%)	2/50 Mean	(4%) 5%	SD	1.41%
.....														

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

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Report Date:11/17/2008

Male						Female								
#Mammary Gland: Fibroadenoma														
Overall Incidence	Total	2/50 4/100	(4%) (4%)	2/50 Mean	(4%) 4%	SD	0%	Total	35/50 63/100	(70%) (63%)	28/50 Mean	(56%) 63%	SD	9.9%
.....														
#Mammary Gland: Fibroma														
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Mammary Gland: Fibroma, Fibroadenoma or Adenoma														
Overall Incidence	Total	3/50 5/100	(6%) (5%)	2/50 Mean	(4%) 5%	SD	1.41%	Total	36/50 65/100	(72%) (65%)	29/50 Mean	(58%) 65%	SD	9.9%
.....														
#Mammary Gland: Fibroma, Fibroadenoma, Carcinoma, or Adenoma														
Overall Incidence	Total	3/50 5/100	(6%) (5%)	2/50 Mean	(4%) 5%	SD	1.41%	Total	37/50 67/100	(74%) (67%)	30/50 Mean	(60%) 67%	SD	9.9%
.....														
#Mesentery: Fibrosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Mesentery: Hemangiosarcoma														
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female						
#Mesentery: Lipoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Mesentery: Rhabdomyosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Nose: Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Nose: Chondroma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Nose: Squamous Cell Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Papilloma Squamous or Papilloma												
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female						
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma												
Overall Incidence	Total	0/50	(0%)	1/50	(2%)	SD	1.41%	Total	0/50	(0%)	1/50	(2%)
		1/100	(1%)	Mean	1%				1/100	(1%)	Mean	1%
.....												
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma												
Overall Incidence	Total	1/50	(2%)	1/50	(2%)	SD	0%	Total	0/50	(0%)	1/50	(2%)
		2/100	(2%)	Mean	2%				1/100	(1%)	Mean	1%
.....												
#Oral Mucosa: Squamous Cell Carcinoma												
Overall Incidence	Total	0/50	(0%)	1/50	(2%)	SD	1.41%	Total	0/50	(0%)	1/50	(2%)
		1/100	(1%)	Mean	1%				1/100	(1%)	Mean	1%
.....												
#Oral Mucosa: Squamous Cell Papilloma												
Overall Incidence	Total	0/50	(0%)	0/50	(0%)	SD	0%	Total	0/50	(0%)	0/50	(0%)
		0/100	(0%)	Mean	0%				0/100	(0%)	Mean	0%
.....												
#Ovary: Granulosa Cell Tumor Benign												
Overall Incidence								Total	0/50	(0%)	0/50	(0%)
									0/100	(0%)	Mean	0%
.....												
#Ovary: Granulosa Cell Tumor Malignant												
Overall Incidence								Total	0/50	(0%)	0/50	(0%)
									0/100	(0%)	Mean	0%
.....												

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female									
<b>*Ovary:</b> Granulosa Cell Tumor: Benign, Malignant, NOS															
Overall Incidence		Total		0/50 0/100	(0%) (0%)	0/50 Mean		(0%) 0%	SD		0%				
.....															
<b>*Ovary:</b> Granulosa-Theca Tumor Benign															
Overall Incidence		Total		0/50 0/100	(0%) (0%)	0/50 Mean		(0%) 0%	SD		0%				
.....															
<b>*Ovary:</b> Granulosa-Theca Tumor Malignant															
Overall Incidence		Total		0/50 0/100	(0%) (0%)	0/50 Mean		(0%) 0%	SD		0%				
.....															
<b>*Ovary:</b> Tubulostromal Adenoma															
Overall Incidence		Total		1/50 1/100	(2%) (1%)	0/50 Mean		(0%) 1%	SD		1.41%				
.....															
<b>*Pancreas:</b> Adenoma															
Overall Incidence		Total	3/50 3/100	(6%) (3%)	0/50 Mean	(0%) 3%	SD	4.24%	Total	0/50 1/99	(0%) (1.01%)	1/49 Mean	(2%) 1.02%	SD	1.44%
.....															
<b>*Pancreas:</b> Carcinoma															
Overall Incidence		Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD	0%
.....															

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

**Length of Study:** CHRONIC

### Tumor Incidence for Selected Control Animal Groups

**Vehicle:** METHYLCELLULOSE

**Report Date:**11/17/2008

Male							Female						
*Pancreas: Carcinoma or Adenoma													
Overall Incidence	Total	3/50 3/100	(6%) (3%)	0/50 Mean	(0%) 3%	SD 4.24%	Total	0/50 1/99	(0%) (1.01%)	1/49 Mean	(2%) 1.02%	SD 1.44%	
.....													
*Pancreas: Mixed Tumor Benign													
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD 0%	
.....													
*Pancreas: Mixed Tumor Malignant													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD 0%	
.....													
*Parathyroid Gland: Adenoma													
Overall Incidence	Total	0/48 0/98	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/49 0/96	(0%) (0%)	0/47 Mean	(0%) 0%	SD 0%	
.....													
#Peripheral Nerve: Schwannoma Malignant													
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	
.....													
#Peripheral Nerve: Schwannoma: Benign, Malignant, NOS													
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	
.....													

#: Denominator is number of animals necropsied



Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female					
*Pituitary Gland: Pars Distalis or Unspecified Site: Adenoma											
Overall Incidence	Total	19/50 (38%) 44/100 (44%)	25/50 (50%) Mean 44%	SD 8.49%		Total	19/50 (38%) 55/100 (55%)	36/50 (72%) Mean 55%	SD 24.04%		
.....											
*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma											
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
.....											
*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma											
Overall Incidence	Total	19/50 (38%) 44/100 (44%)	25/50 (50%) Mean 44%	SD 8.49%		Total	19/50 (38%) 55/100 (55%)	36/50 (72%) Mean 55%	SD 24.04%		
.....											
*Pituitary Gland: Pars Intermedia: Adenoma											
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
.....											
*Pituitary Gland: Pars Intermedia: Carcinoma											
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
.....											
*Pituitary Gland: Pars Intermedia: Carcinoma or Adenoma											
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
.....											

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

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Report Date:11/17/2008

Male						Female						
*Prostate: Adenoma												
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean 1%	(2%) 1%	SD 1.41%						
.....												
*Prostate: Carcinoma or Adenoma												
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean 1%	(2%) 1%	SD 1.41%						
.....												
*Salivary Glands: Sarcoma												
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean 0%	(0%) 0%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
*Salivary Glands: Schwannoma Malignant												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#Seminal Vesicle: Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%						
.....												
#Skeletal Muscle: Hemangioma												
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean 1%	(2%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female						
#Skeletal Muscle: Hemangiosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skeletal Muscle: Lipoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skeletal Muscle: Rhabdomyosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skeletal Muscle: Rhabdomyosarcoma or Rhabdomyoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skeletal Muscle: Sarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skin: Basal Cell Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: GAVAGE**  
**Vehicle: METHYLCELLULOSE**

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**Report Date: 11/17/2008**

Male						Female					
#Skin:											
Basal Cell Adenoma or Basosquamous Tumor Benign											
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma											
		0/50	(0%)	0/50	(0%)		0/50	(0%)	1/50	(2%)	
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
#Skin:											
Basal Cell Carcinoma											
		1/50	(2%)	0/50	(0%)		0/50	(0%)	1/50	(2%)	
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
#Skin:											
Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)											
		1/50	(2%)	0/50	(0%)		0/50	(0%)	1/50	(2%)	
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
#Skin:											
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma											
		1/50	(2%)	0/50	(0%)		0/50	(0%)	2/50	(4%)	
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	2/100	(2%)	Mean 2%	SD 2.83%	
.....											
#Skin:											
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma											
		5/50	(10%)	7/50	(14%)		0/50	(0%)	3/50	(6%)	
Overall Incidence	Total	12/100	(12%)	Mean 12%	SD 2.83%	Total	3/100	(3%)	Mean 3%	SD 4.24%	
.....											

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

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Report Date:11/17/2008

Male										Female					
#Skin: Fibroma															
		5/50	(10%)	6/50	(12%)			3/50	(6%)	1/50	(2%)				
Overall Incidence	Total	11/100	(11%)	Mean	11%	SD	1.41%	Total	4/100	(4%)	Mean	4%	SD	2.83%	
#Skin: Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma															
		6/50	(12%)	8/50	(16%)			3/50	(6%)	2/50	(4%)				
Overall Incidence	Total	14/100	(14%)	Mean	14%	SD	2.83%	Total	5/100	(5%)	Mean	5%	SD	1.41%	
#Skin: Fibrosarcoma															
		1/50	(2%)	3/50	(6%)			0/50	(0%)	1/50	(2%)				
Overall Incidence	Total	4/100	(4%)	Mean	4%	SD	2.83%	Total	1/100	(1%)	Mean	1%	SD	1.41%	
#Skin: Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma															
		1/50	(2%)	3/50	(6%)			0/50	(0%)	1/50	(2%)				
Overall Incidence	Total	4/100	(4%)	Mean	4%	SD	2.83%	Total	1/100	(1%)	Mean	1%	SD	1.41%	
#Skin: Fibrous Histiocytoma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
#Skin: Hemangioma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male							Female							
#Skin: Hemangiosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%
.....														
#Skin: Keratoacanthoma														
Overall Incidence	Total	3/50 6/100	(6%) (6%)	3/50 Mean	(6%) 6%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Skin: Lipoma														
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Skin: Liposarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Skin: Neural Crest Tumor														
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Skin: Neural Crest Tumor, Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

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Report Date:11/17/2008

Male						Female								
#Skin:														
Neurofibroma or Schwannoma benign														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Skin:														
Neurofibrosarcoma or Schwannoma (malignant or NOS)														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Skin:														
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Skin:														
Osteosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Skin:														
Sarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
#Skin:														
Schwannoma Benign														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

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Report Date:11/17/2008

Male						Female								
#Skin: Schwannoma Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Skin: Squamous Cell Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Skin: Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma														
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD	1.41%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%
.....														
#Skin: Squamous Cell Papilloma														
Overall Incidence	Total	1/50 5/100	(2%) (5%)	4/50 Mean	(8%) 5%	SD	4.24%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%
.....														
#Skin: Squamous Cell Papilloma or Papilloma														
Overall Incidence	Total	1/50 5/100	(2%) (5%)	4/50 Mean	(8%) 5%	SD	4.24%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%
.....														
#Skin: Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma														
Overall Incidence	Total	4/50 11/100	(8%) (11%)	7/50 Mean	(14%) 11%	SD	4.24%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%
.....														

#: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied



Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female						
#Skin: Squamous Cell Papilloma, Papilloma, or Keratoacanthoma												
Overall Incidence	Total	4/50 11/100	(8%) (11%)	7/50 Mean	(14%) 11%	SD 4.24%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%
.....												
#Skin: Trichoepithelioma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%
.....												
#Skin: Sebaceous Gland: Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skin: Sebaceous Gland: Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Skin: Sebaceous Gland: Carcinoma or Adenoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Spinal Cord: Astrocytoma Benign												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female						
#Spinal Cord: Astrocytoma Malignant												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Spinal Cord: Glioma Malignant												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Spleen: Fibrosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD 0%
.....												
*Spleen: Fibrous Histiocytoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD 0%
.....												
*Spleen: Hemangioma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD 0%
.....												
*Spleen: Hemangiosarcoma												
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD 0%
.....												

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female								
*Spleen: Leiomyosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD	0%
.....														
*Spleen: Sarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD	0%
.....														
#Stomach, Forestomach: Leiomyosarcoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Stomach, Forestomach: Squamous Cell Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Stomach, Forestomach: Squamous Cell Carcinoma or Papilloma Squamous														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%
.....														
#Stomach, Forestomach: Squamous Cell Papilloma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD	1.41%
.....														

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female						
#Stomach, Glandular: Leiomyosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Stomach, Glandular: Lipoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Testes: Adenoma												
Overall Incidence	Total	42/50 83/100	(84%) (83%)	41/50 Mean	(82%) 83%	SD 1.41%						
.....												
*Thymus: Sarcoma												
Overall Incidence	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
*Thymus: Thymoma Benign												
Overall Incidence	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD 0%	Total	0/50 1/100	(0%) (1%)	1/50 Mean	(2%) 1%	SD 1.41%
.....												
*Thymus: Thymoma Malignant												
Overall Incidence	Total	0/50 0/99	(0%) (0%)	0/49 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female					
*Thymus: Thymoma: Benign, Malignant, NOS											
		0/50	(0%)	0/49	(0%)		0/50	(0%)	1/50	(2%)	
Overall Incidence	Total	0/99	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
*Thyroid Gland: C-Cell: Adenoma											
		3/50	(6%)	6/50	(12%)		4/50	(8%)	7/50	(14%)	
Overall Incidence	Total	9/100	(9%)	Mean 9%	SD 4.24%	Total	11/100	(11%)	Mean 11%	SD 4.24%	
.....											
*Thyroid Gland: C-Cell: Carcinoma											
		1/50	(2%)	2/50	(4%)		0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
*Thyroid Gland: C-Cell: Carcinoma or Adenoma											
		4/50	(8%)	8/50	(16%)		4/50	(8%)	7/50	(14%)	
Overall Incidence	Total	12/100	(12%)	Mean 12%	SD 5.66%	Total	11/100	(11%)	Mean 11%	SD 4.24%	
.....											
*Thyroid Gland: Follicular Cell: Adenoma											
		3/50	(6%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	3/100	(3%)	Mean 3%	SD 4.24%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
*Thyroid Gland: Follicular Cell: Carcinoma											
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female						
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma												
Overall Incidence	Total	3/50 3/100	(6%) (3%)	0/50 Mean	(0%) 3%	SD 4.24%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Tissue NOS: Lipoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Tissue NOS: Paraganglioma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Tissue NOS: Schwannoma Malignant												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Tongue: Squamous Cell Carcinoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												
#Tongue: Squamous Cell Carcinoma or Papilloma Squamous												
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean	(0%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....												

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male										Female					
#Tongue: Squamous Cell Papilloma															
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															
#Tooth: Adamantinoma Malignant															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															
#Tooth: Odontoma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															
*Urinary Bladder: Carcinoma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															
*Urinary Bladder: Carcinoma or Papilloma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															
*Urinary Bladder: Leiomyosarcoma															
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%	
.....															

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male							Female						
*Urinary Bladder: Papilloma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	
.....													
#Uterus: Adenoma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%							
.....													
#Uterus: Carcinoma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%							
.....													
#Uterus: Deciduoma Benign													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%							
.....													
#Uterus: Hemangioma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%							
.....													
#Uterus: Hemangiosarcoma													
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%							
.....													

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied



Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

	Male				Female		
#Uterus: Leiomyoma							
Overall Incidence	Total	0/50 0/100	(0%) (0%)		0/50 Mean 0%	(0%) 0%	SD 0%
#Uterus: Leiomyosarcoma							
Overall Incidence	Total	0/50 0/100	(0%) (0%)		0/50 Mean 0%	(0%) 0%	SD 0%
#Uterus: Polyp Stromal							
Overall Incidence	Total	9/50 22/100	(18%) (22%)		13/50 Mean 22%	(26%) 22%	SD 5.66%
#Uterus: Sarcoma Stromal							
Overall Incidence	Total	0/50 2/100	(0%) (2%)		2/50 Mean 2%	(4%) 2%	SD 2.83%
#Uterus: Sarcoma Stromal or Polyp Stromal							
Overall Incidence	Total	9/50 24/100	(18%) (24%)		15/50 Mean 24%	(30%) 24%	SD 8.49%
#Uterus: Schwannoma Malignant							
Overall Incidence	Total	0/50 0/100	(0%) (0%)		0/50 Mean 0%	(0%) 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied

Version: Nov2008  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F344  
Length of Study: CHRONIC

Toxicology Data Management System  
Tumor Incidence for Selected Control Animal Groups  
Route: GAVAGE  
Vehicle: METHYLCELLULOSE

Male						Female							
#Vagina: Polyp													
Overall Incidence						Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%		
.....													
#Vagina: Sarcoma													
Overall Incidence						Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%		
.....													
#Zymbal's Gland: Adenoma													
Overall Incidence		Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....													
#Zymbal's Gland: Carcinoma													
Overall Incidence		Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....													
#Zymbal's Gland: Carcinoma or Adenoma													
Overall Incidence		Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD 0%
.....													

\*: Denominator is number of animals with tissues examined microscopically  
#: Denominator is number of animals necropsied